

WHAT IS CLAIMED IS:

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1. A solid image pickup device comprising at least one unit cell having a photoelectric conversion portion, an amplifying means for amplifying a signal generated in the photoelectric conversion portion, a  
5 transfer means for transferring the signal to the amplifying means, a reset means for resetting an input terminal of the amplifying means, and a selecting means for selecting the amplifying means and outputting a  
10 signal to a signal output line,

wherein at least two of a selection control line for controlling the selecting means, a transfer control line for controlling the transfer means, a reset  
15 control line for controlling the reset means, and the signal output line in a unit cell, or between two unit cells operating in time series fashion, or between two adjoining unit cells are one common line.

2. The solid image pickup device according to  
20 claim 1, wherein the reset control line and the signal output line are the common line.

3. The solid image pickup device according to  
25 claim 1, wherein the transfer control line and the signal output line are the common line.

4. The solid image pickup device according to

claim 1, wherein the transfer control line and the selection control line are the common line.

5           5. The solid image pickup device according to claim 1, wherein the transfer control line and the reset control line are the common line.

10           6. The solid image pickup device according to claim 1, wherein the selection control line and the reset control line are the common line.

15           7. The solid image pickup device according to claim 1, wherein the reset control line and the signal output line are a first common line, and the transfer control line and the selection control line are a second common line.

20           8. The solid image pickup device according to claim 1, wherein the reset control line and the signal output line are the common line, and the common line is provided with a switch for providing an ON-state voltage sufficient to turn on the reset means.

25           9. The solid image pickup device according to claim 1, wherein during a period in which the selecting means are turned on, a noise signal and an optical signal are read out from the signal output line.

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10. The solid image pickup device according to claim 1, wherein the unit cells are arranged in a two-dimensional matrix.

5 11. The solid image pickup device according to claim 1, wherein the unit cells are arranged in a two-dimensional matrix and a power line is disposed between two adjoining unit cells.

10 12. An image pickup system comprising the solid image pickup device according to any one of claims 1 to 11, an optical system for optically forming an image onto the solid image pickup device, and a signal processing circuit for processing an output signal from  
15 the solid image pickup device.

20 13. The solid image pickup device according to claim 1, wherein the photoelectric conversion portion, the amplifying means, the transfer means, the reset means, and the selecting means are all elements of the same conductivity type.

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